

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Certification Form

General Instructions and Information: This is a two part form to be used by shippers and carriers of radioactive waste. The certifications contained herein satisfy the requirements of Section 13-7-150, of Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act. This certification along with a copy of the prior notification form shall accompany each shipment of radioactive waste into and within the State of South Carolina. The shipper is to complete his portion of the form and present it to the carrier as part of the shipping documents. Upon receipt, the carrier shall complete his portion of the form. Upon delivery of the shipment to the consignee, a copy of this certification form, and a copy of the Prior Notification and Manifest form with the consignee acknowledgement, shall be returned to the Department.

Part I: Shipper's Certificate of Compliance

Name of Shipper and Address: Umetco Minerals Corporation 137 - 47th Street Niagara Falls, NY 14302 Telephone No. (716) 278-3361	2. Shipment Identification No. 1084-112-A
	3. Transport Permit No. 0211-31-84-X

I, the undersigned, in compliance with Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the above-named shipper has complied with all provisions of Act No. 499 of 1980, and all applicable laws and administrative rules and regulations, both State and Federal, regarding the packaging, transportation, storage, disposal and delivery of such wastes. I further certify that this shipment of radioactive waste has been inspected within 48 hours of the time of departure and that no items of non-compliance with applicable laws, rules or regulations were found.

Date October 3, 1984

G. E. Walck, Construction Superintendent
Typed Name and Title of Agent of Shipper


Signature


Part II: Carrier's Certification

Name of Carrier and Address: Tri-State Motor Transit Company P O. Box 113 Joplin, Missouri 64801 Telephone No. (800) 641-7591	2. Shipment Identification No. 1084-112-A
	3. Transport Trailer No.
4. Scheduled Date of Departure of Shipment: October 3, 1984	5. Estimated Date of Arrival of Shipment. October 5, 1984

A certification is hereby made to the South Carolina Department of Health and Environmental Control that: (a) the shipper has provided the carrier with a copy of the shipment manifest, the certificate of compliance, and the routing instructions; (b) the shipment of radioactive waste has been properly placarded for transport according to applicable U.S. Department of Transportation Regulations; (c) all shipping papers originated or reproduced by the carrier have been properly executed; (d) the transport vehicle has been inspected according to applicable State and Federal regulations within the prescribed intervals and that all safety and operational components are in good working order and meet the requirements of regulations; (e) all drivers who will operate the vehicle within the State of South Carolina are qualified to transport hazardous materials as specified by applicable U.S. Department of Transportation regulations; (f) the Department shall be immediately notified of any variance, occurring after departure, from the shipper's notification of primary routes in South Carolina and estimated date of arrival; (g) all applicable laws and administrative rules and regulations, both State and Federal, regarding the transportation of radioactive wastes will be complied with.

Date October 3, 1984

ARTHUR H CASSELL DRIVER
Typed or Printed Name and Title


Signature

(1) GENERATOR NAME Umetco Minerals Corporation
ADDRESS 137 - 47th Street
CITY Niagara Falls STATE New York
CONTACT G.E. Walck PHONE (716) 278-3361

(2) consigned to
CHEM NUCLEAR SYSTEMS, INC
P O BOX 726, OSBORN ROAD
BARNWELL, S C 29812

BARNWELL WASTE MANAGEMENT FACILITY
Operated by CHEM-NUCLEAR SYSTEMS, INC
P O Box 726, Barnwell, South Carolina 29812
(803) 259-1781
RADIOACTIVE SHIPMENT MANIFEST FORM

(3) USE THIS NUMBER ON
ALL CONTINUATION PAGES

VOLUME ALLOCATION NO
1084-112-A

PAGE 1
OF 2

(4) Tri-
CARRIER State ADDRESS Joplin, Missouri 64801
TELEPHONE 417-624-3131 SHIPPING DATE 10/3/84
SHIPMENT TYPE Van SHIPMENT SURFACE EXPOSURE 0.044 mR/hr
SHIPMENT NO 615-3011 LINER SERIAL NO -
DRIVER SIGNATURE Arthur Russell DATE 10/3/84

(5) TOTAL FOR EACH CLASS		PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	ID NUMBER
NO OF PACKAGES	WEIGHT (Pounds)		
		Radioactive Material, empty packages	UN2908
		Radioactive Material, fissile, n o s —Radioactive Material	UN2918
<u>9</u>	<u>424.98</u>	Radioactive Material, low specific activity, n o s —Radioactive Material	UN2912
		Radioactive Material, n o s —Radioactive Material	UN2982
		Radioactive Material, limited quantity, n o s —Radioactive Material	UN2910
		Radioactive Material, special form, n o s —Radioactive Material	UN2974
		Radioactive Material, instruments and articles—Radioactive Material	UN2911
		Other (Specify)	

(6) SHIPMENT TOTALS							
VOLUME (Cubic Feet)	TOTAL NO OF PACKAGES	ACTIVITY (10CFR 20.311)					SOURCE (Pounds)
		<input type="checkbox"/> Curies <input checked="" type="checkbox"/> Millicuries					
		ALL ISOTOPES	TRITIUM	C 14	Tc 99	I 129	
585	9	0.6	NP	NP	NP	NP	0.9

(7) TOTAL SNM	
ISOTOPE	GRAMS
U-233	N/A
U-235	
TOTAL	✓

(9) WASTE DESCRIPTION Contaminated Soil
Misc. Debris (10) PHYSICAL FORM/
SOLIDIFICATION AGENT Solid

(11) CHEMICAL FORM AND
NAME AND % OF CHELATING AGENT(S) Metal Oxides

(12) WASTE FORM CLASS
☒ A ☐ B ☐ C

(13) (X) Yes () No THIS VEHICLE IS CONIGNED EXCLUSIVE USE LOADING AND UNLOADING MUST BE ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED AGENT

(14) IMPORTANT "This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

Signature G.E. Walck
Company Umetco Minerals Corporation Date 10/3/84

(15) "Certification is hereby made to the South Carolina Department of Health and Environmental Control that this shipment of low level radioactive waste has been inspected in accordance with the requirements of South Carolina Radioactive Material License No 097 as amended, and the Nuclear Regulatory Commission's License No 12-13536 01 as amended, and the effective Barnwell Site Disposal Criteria within 48 hours prior to shipment, and further certification is made that the inspection revealed no items of non compliance with all applicable laws, rules and regulations"

Date 10/3/84 By G.E. Walck
Title and Organization Construction Superintendent - Umetco Minerals Corp.
Telephone No 716, 278-3361

- ☒ This material meets all license requirements
☒ This material was disposed of in accordance with license
☐ Discrepancy

OCT 11 1984

Date 10/8/84

Authorized Signature [Signature]

Title [Signature]

UCCNHT0001877

Tri-State Motor Transit Company

Carrier's No. 658847

Name of Carrier

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

UMETCO MINERALS CORPORATION

AT ~~Marion, Ohio~~ Niagara Falls, NY 10/3, 19 84 From

METALS DIVISION
UNION CARBIDE CORPORATION

For use via carrier truck under the exclusive/sole use shipments/movements

the property described below, in apparent good order except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as indicated below which said carrier (the word carrier being understood through out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns

Consigned to Chem Nuclear Systems Inc. Barnwell Management Facilities SHIPPER'S ORDER NO. CUSTOMER'S ORDER NO.

Destination Uravan Barnwell (Osborn Road) State Colorado S. Carolina County Montrose Barnwell

5100 Loca 5716
219 496

Route _____ Delivering Carrier Tri-State Motor Transit Car or Vehicle Initials _____ No _____ Seal No 262525

No Packages	Kind of Package, Description of Articles, Special marks, and Exceptions	*Weight (Sub to correction)	Class or Rate	Check Column	
9	Radioactive Materials LSA nos (585 cu. ft.)				<p>Subject to Section 7 of Conditions of applicable bill of lading if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges</p> <p>(Signature of consignor)</p> <p>If charges are to be prepaid, write or stamp here: <u>Prepaid</u></p> <p>Third Party PREPAID (See below)*</p> <p>Received \$ _____</p> <p>to apply in prepayment of the charges on the property described hereon</p> <p>Agent or Cashier _____</p> <p>Per _____ (The signature here acknowledges only the amount prepaid)</p> <p>Charges advanced _____</p> <p>\$ _____</p> <p>This shipment is correctly described</p> <p>Correct weight is _____ lbs</p> <p>Subject to verification by the *L.G. Evans Umetco Minerals Corp.</p> <p>P.O. Box 97 Niagara Falls, NY 14301</p>
	Radioactive Material: <u>U-235</u>				
	<u>U-238</u>				
	<u>Uranium Plutonium Residues (From Chemical Processing)</u>				
	<u>0.016 Max. Curies per Package</u> <u>Less than one (1) pound source</u>				
	<u>material - solid, metal oxide, contaminated soil</u>				
	<u>building rubble, wood and plant equipment</u>				
	This is to certify that the above named materials are properly classified, described, packaged marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation				
	Signed <u>A.E. Walck</u>				
	Vehicle assigned for sole use of consignor. Do not load other freight on the vehicle. do not transfer in route and do not break the seal on truck				
	Carrier hereby acknowledges that prior to or at the time this shipment was offered for transportation the shipper provided or affixed according to applicable regulations the required placards or orange panels (including prescribed identification numbers) for each hazardous material named hereon				
	Signed <u>William Basselburg</u>				

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

METALS DIVISION
UNION CARBIDE CORPORATION

UMETCO MINERALS CORPORATION

Per A.E. Walck Shipper

Per William Basselburg Agent

Permanent postoffice address of shipper UC 326-34 G.E. Walck

THIS MEMORANDUM

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading nor a copy or duplicate covering the property named herein, and is intended solely for filing or record.

RECEIVED subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading.

Shipment made under the terms of the bill of lading, including those in the bill of lading and the said terms and conditions, hereby agreed to by the shipper and accepted for receipt and delivery.

FREIGHT BILL NUMBER

658507

SHIPPER'S NUMBER

From UNIMETCO

DATE SHIPPED 10/31/94

At 137 47th NIAHARA FALLS - NV

ORIGINATING CARRIER TR. STATE MOTOR TRANSPORT

CONSIGNEE TO

(Mail or street address of consignee - For purposes of notification only)

CITIZEN NUCLEAR SYSTEMS INC.

DESTINATION STATE COUNTY

DELIVERY ADDRESS (To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

CONNECTING CARRIER(S) DELIVERING CARRIER TRACTOR NO TRAILER NO

EXECUTIVE OFFICES

P.O. BOX 113 JOPLIN MO 64801

Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

NUMBER OF PACKAGES	KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	* WEIGHT (Subject to Correction)	CLASS OR RATE	CK COL	(Signature of consignor)
4	RADIATION TISSUE MATERIAL 1/4 IN 5550				If charges are to be prepaid write or stamp here To be Prepaid
	0.041 MTR/HR				
	LESS THAN 1000 LBS. OF RADIOACTIVE MATERIAL				
	5.000 MTR/HR (1/4 IN 5550) BUILDING PUSABLE, 1/4 IN 5550				
					Rec'd \$ 10
					apply in prepayment of the charges on the property described hereon
					Agent or Cashier
					Per
					(The signature here acknowledges only the amount prepaid)
					Charges advanced
					\$

UNLESS A GREATER VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE VALUE TO \$5000.00 PER TON OF 2000 POUNDS FOR EACH ARTICLE.

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATION OF THE DEPARTMENT OF TRANSPORTATION.

UNLESS OTHERWISE NOTED VEHICLE CONTAINS HAZARDOUS MATERIALS PROPERLY PLACARDED IN ACCORDANCE WITH 49CFR172.506

ARRIVED AT SHIPPER	DATE	TIME	PREARRANGED SCHEDULE	DATE	TIME	LOADING STARTED	DATE	TIME
	10/31/94	8:30 AM	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	10/31/94	8:30 AM		10/31/94	10:30 AM
LOADING COMPLETED	11/1/94	11:15 AM	VEHICLE RELEASED	10/31/94	12:30 PM	SHIPPER'S SIGNATURE D. E. Walz		
IF THIRD PARTY BILLING, BILL TO				SHIPPER PER		AGENT PER		

SIGNATURE TALLY RECEIPT — Must be filled out and signed at origin and each time the shipment changes custody

DATE SHIPMENT RECEIVED FROM CONSIGNOR			2ND TIME CARGO CHANGED CUSTODY			4TH TIME CARGO CHANGED CUSTODY		
DATE	TIME	TRACTOR NO	DATE	TIME	TRACTOR NO	DATE	TIME	TRACTOR NO
10/31/94		8972						
DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL
DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL
1ST TIME CARGO CHANGED CUSTODY			3RD TIME CARGO CHANGED CUSTODY			5TH TIME CARGO CHANGED CUSTODY		
DATE	TIME	TRACTOR NO	DATE	TIME	TRACTOR NO	DATE	TIME	TRACTOR NO
DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL
DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL	DRIVER'S SIGNATURE		HOME TERMINAL
ARRIVED AT CONSIGNEE	DATE	TIME	PREARRANGED SCHEDULE	DATE	TIME	UNLOADING STARTED	DATE	TIME
			<input type="checkbox"/> YES <input type="checkbox"/> NO					
UNLOADING COMPLETE			VEHICLE RELEASED			CONSIGNEE'S SIGNATURE		
RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED						X		

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTRL
Radioactive Waste Shipment Prior Notification and Manifest Form

See Reverse Side for Instructions

1. Name and Address of Shipper Umetco Minerals Corporation 137 47th Street Niagara Falls, NY 14302		2. Person Responsible for Radioactive Waste Shipment (a) Name G.E. Walck (b) Title Construction Superintendent (c) Telephone No (716) 278-3361	
3. Radioactive Waste Transport Permit No 0211-31-84-X		4. Shipment Identification No 1084-112-A	
5. Location from which waste will be shipped Same as (1) above		6. Name and Address of Consignee Chem-Nuclear Systems, Inc. P.O. Box 726 Barnwell, South Carolina 29812	
7. Scheduled Date of Departure of Shipment October 3, 1984		8. Estimated Date of Arrival of Shipment October 5, 1984	
9. Carrier Tri-State Motor Transit	10. Type of Transport Vehicle Closed Van	11. Trailer No. and Owner (if available)	
12. Routes shipment will follow in State of South Carolina (Be Specific) I-20, I-26, US-321, S.C. 3 and S.C. 64			

Manifest Summary

13 Type Container or Cask Wood Boxes	14 Container Spec CFR 49 173.392 (c)	15 Total No of Containers 9
16 Waste Description, Physical and Chemical Form Contaminated Soil, Metal Oxides, Bldg. Rubble, Wood and Plant Hardware	17. Prominent Radionuclides Uranium (Nat.) .0028 Thorium (Nat.) .004	
18 Total Curies (mCi) .06	19 Transport Group III	20 Total Cubic Feet 585
21 Waste Classification		
<input checked="" type="checkbox"/> Radioactive LSA	<input type="checkbox"/> Bulk LSA	Normal Form
<input type="checkbox"/> Radioactive LSA	<input type="checkbox"/> Limited quantities	<input type="checkbox"/> Type A quantity
greater than	and radioactive	<input type="checkbox"/> Type B quantity
Type A quantities	devices	<input type="checkbox"/> Large quantity
		Special Form
		<input type="checkbox"/> Type A quantity
		<input type="checkbox"/> Type B quantity
		<input type="checkbox"/> Large quantity
		Fissile
		<input type="checkbox"/> Class I
		<input type="checkbox"/> Class II
		<input type="checkbox"/> Class III

CERTIFICATION

I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the information provided herein is complete and correct to the best of my knowledge, and that the shipper has complied with all the provisions as required by Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act

Date September 25, 1984

G.E. Walck - Construction Supt.

Typed Name and Title of Agent of Shipper

Signature (G.E. Walck)

CONSIGNEE ACKNOWLEDGEMENT

This acknowledges to the South Carolina Department of Health and Environmental Control that the above-described radioactive waste shipment was received

Date of Delivery

Signature of Consignee or authorized Agent

Typed or Printed Name and Title

Original. S. Carolina
Copy. Chem-Nulcear
DHEC 802
(5/80)

(Copies of this form may be reproduced locally as needed)

UCCNHT0001880